PDS4 vs. Level 1-3 Requirements

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Requirements (representative)

- 1.2 Expert Help: PDS will provide expert help in designing **archival data sets**
- 2.4 Peer Review: PDS will conduct peer reviews **of all submissions of archival data** to …
- 2.5 Acceptance: PDS will **accept or reject** submitted data.
- 2.6 Catalog: PDS will maintain a **catalog** of **accepted archival data sets**.

Material in PDS

- "Material" not "data"
- Not all material is either rejected or archived
  - Node produced browse products
  - Product_Native
  - Supplemental copies of documents?
  - PDS3 "extras"

Classification Scheme (1)
Four tiers for material

- **Material submitted to PDS (including internally generated)**

Classification Scheme (2)
Four tiers for material

- **Material submitted to PDS (including internally generated)**

  Green – observational data

  - » raw or derived data from instruments, experiments, research, submitted as product observational. (Science definition).

Classification Scheme (3)
Four tiers for material

- **Material submitted to PDS (including internally generated)**

  Green – observational data

  - » raw or derived data from instruments, experiments, research, submitted as product observational. (Science definition).

  Blue – material essential for the interpretation and use of the green stuff

  - » documentation, calibration materials, some preview products.

* For now, assume NAIF kernel files are some form of bluish-green.

Classification Scheme (4)
Four tiers for material

- **Material submitted to PDS (including internally generated)**

  Green – observational data

  - » raw or derived data from instruments, experiments, research, submitted as product observational. (Science definition).

  Blue – material essential for the interpretation and use of the green stuff

  - » documentation, calibration materials, some preview products.

  Purple – useful, but not essential

  - » additional copies of green or blue material in contemporary formats, some preview products, contemporary formats, Product_Native, "safed" material.

* For now, assume NAIF kernel files are some form of bluish-green.

Classification Scheme (5)
Four tiers for material

- **Material submitted to PDS (including internally generated)**

  Green – observational data

  - » raw or derived data from instruments, experiments, research, submitted as product observational. (Science definition).

  Blue – material essential for the interpretation and use of the green stuff

  - » documentation, calibration materials, some preview products.

  Purple – useful, but not essential material

  - » additional copies of green or blue material in contemporary formats, some preview products, contemporary formats, Product_Native, "safed" material.

  Orange – material rejected by PDS

* For now, assume NAIF kernel files are some form of bluish-green.

Classification Scheme (6)
Disposition and Commitment

- **Disposition of material by tier**

  Green – three copies

  - » Long term preservation required

  Blue – three copies

  - » Long term preservation required

  Purple – three copies optional at the node's discretion

  - » May be submitted to deep archive – node discretion

  Orange – material rejected by PDS

  - » Return to sender
  - » Maintain a copy off line for specified period – six months?

- Material in the Green, Blue, or Purple tiers is entered into the registry, and checksums are maintained for these items.

Classification vs. the Policy

- The MC approved policy, "Policy on Formats for PDS4 Data and Documentation ":
  - Formats for required material – green or blue.
  - Formats for supplemental material – purple.

- Notice that Purple incorporates a fair amount of node discretion.

So What

- Need an MC Tiger Team to
  1. Review the level 1-3 requirements within the PDS4 context.
  2. Decide if we need to revise the requirements to allow for material which will be neither rejected nor fully archived.
  3. If so, need to determine how we accept it (separate bundles?).
  4. Name the classification tiers.